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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Yellowstone.... NATIONAL PARK

FILE COPY

FILE NO.

MONTHLY REPORT

September, 1931

SEPTEMBER 1931

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HORACE M. ALBRIGHT,
Director.

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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

F THE SUPERINTENDENT

October 5, 1931.

The Director,
National Park Service,
Washington, D. C.

Dear Mr. Director:

Following is the report of activities of the Yellowstone National Park for the month of September, 1931.

000 - General

010 - The month saw the closing of the fifty-ninth year since the creation of the park, and while the season was not a success financially from the standpoint of the park operators, there was little room for complaint so far as the actual number of visitors was concerned. With the general depression existing throughout the country and resorts of every kind reporting large declines in attendance, the final figures compiled at the end of the month showed a loss of less than three per cent in total visitors for the season over last year, 1930 recording the second largest number of visitors since the establishment of the park.

Having gone through one of the worst fire years in its history in July and August, it was felt that climatic conditions in September would be such that the fire hazard would be over, but such was not the case. The Chipmunk Creek fire and the fire in the Gallatin section during September added greatly to the costs for fire fighting for the season and considerable timber was destroyed through these two late fires.

020 - General Weather Conditions

With a mean temperature of 58.6 degrees (just 10.0 degrees below that of August, and 11.0 degrees below that of July), September averaged 0.8 degree per day below normal. Only May and September have been below normal in temperature so far this year. The average daily departure from normal temperature for the current year, to date, is plus 1.8 degrees. The month was the warmest September since 1922, and no September averaged quite so warm between 1906 and 1922. The highest temperature of September, 1931, was 85, on the 4th; the lowest, 25 on the 23rd. In September, 1930, the highest was 77, and the lowest, 28. In September this year, the thermometer fell to 32.0 or lower on five dates.

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After ten months with precipitation less than the normal amount in each, September, with a total of 1.30 inches, shows a slight excess (0.03 inch) over normal. The precipitation deficit at this station for the first nine months of 1931 amounts to 6.10 inches, or slightly more than one-third of the annual normal. Precipitation occurred on eight days, with traces on five additional days. The greatest amount in 24 consecutive hours was 0.60 inch, on the 28th and 29th. Snowfall amounted to 0.8 inch, as compared to 2.3 inches in September of last year.

The usual wind direction, Southwest, prevailed, and the average hourly velocity of wind movement was 6.8. The maximum velocity was 31, from Southwest, on the 12th. Thunderstorms occurred on five dates, and hail was observed on two. Relative humidity averaged 68.4 at 6 a.m., 35.2 at noon, local time, and 41.4 at 6 p.m. Sunshine was 62 per cent of the possible. Twelve days averaged clear, eight partly cloudy, and ten cloudy.

100 - Administration

110 - Status of Work

The Chipmunk Creek and Gallatin fires necessitated considerable additional work and the organization was somewhat disrupted due to the necessity for sending men out to the fire. However, with the falling off of travel and the closing down of operations in the park, some of the work was made lighter. Final travel figures were completed and sent out by the end of the month and the completed copies of the annual report were forwarded to Washington. All work was current by the end of the month and the forces were cut down to almost a winter basis.

Superintendent Toll left with his family on September 21 for Denver but expects to return again around October 5 and, after a few days here, will engage on an inspection trip of proposed parks and monuments, which will occupy his time until next spring.

120 - Superintendent

The Superintendent spent practically the entire month in the park, but two short trips were made to the Grand Teton Park in company with distinguished visitors. One visit was made to Cody, and on September 21 the Superintendent departed with his family for Denver via the south gate.

Trips away from headquarters during the month were made as follows:

September 1 - To West Yellowstone in the evening for the night.

September 2 - Met Senator Walcott of Connecticut at West Yellowstone and proceeded with him to Grand Teton National Park, returning to the park in the evening and spending the night at Sylvan Pass.

September 3 - Went from Sylvan Pass to Cody to meet Kenneth Chorley and returned to park in afternoon, Mr. Chorley proceeding to Grand Teton while I returned to headquarters.

September 4 - To Canyon in afternoon to attend the meeting of the Dude Ranch officials at Canyon Hotel. Returned to Mammoth for night.

September 5 - To Madison Junction to meet Senator Key Pittman who had entered via the west gate. Proceeded with Senator Pittman to Grand Teton Park, returning to Mammoth for night.

September 6 - Made trip to Old Faithful and return on general inspection.

September 7 - Made horseback trip over ranger nature trail at Mammoth.

September 10- To Pelican Meadows with Mr. W. M. Nichols to meet Floyd Gibbons and his party. Spent night at Canyon.

September 11 -From Canyon to Old Faithful with Mr. Nichols and Floyd Gibbons, returning to Mammoth for the night.

September 13 -To Lake by car with Chief Ranger Baggley; rode horseback over route of proposed Lake-Canyon road and returned to Mammoth for the night.

September 15 -To West Yellowstone in evening with Messrs. Edwards and Joffe to meet Director Albright; night at West Yellowstone.

September 16 -With Messrs. Edwards and Joffe met Director Albright and proceeded to Old Faithful, Lake and Canyon for night.

September 17 -Returned to Mammoth with Director Albright via Tower Falls.

September 21 -Out South gate with family en route to Denver.

Assistant Superintendent Edwards made the usual inspections of work around headquarters and all points in the field. Following Mr. Toll's departure on the 21st, Mr. Edwards became Acting Superintendent. Trips were made to Livingston on the 24th and 25th to attend the reception and banquet in honor of "Bill" Bennett, retiring agent for the Northern Pacific at Livingston. On the 22nd met Governor W. A. Clark of Wyoming at the Lunch and accompanied him around the park.

123 - National Park Service Officers

Honorable Horace M. Albright, Director of the National Park Service, entered at the west gate on September 16 and left via the south gate on the

21st for a two days' stay in the Grand Teton Park. Mrs. Albright and the children arrived on the 12th.

E. T. Scoyen, Superintendent of Glacier National Park, entered via the north gate on September 17 and left via the same gate on the 24th. The period from September 21-23 was spent on a visit to the Grand Teton Park.

Thomas J. Allen, Superintendent of Zion and Bryce National Parks, entered via the west gate on September 17 and left via the south gate on the 21st, visiting Grand Teton Park enroute home.

Edward D. Freeland, Superintendent of Wind Cave National Park, entered the park the 16th at the east gate and left via the south gate on the 19th.

Sam T. Woodring, Superintendent of Grand Teton National Park, entered via the south gate on the 16th and left the same date via the same gateway. Another trip was made on the 19th.

B. C. Lacombe, Custodian of the Craters of the Moon National Monument, entered at the west gate on the 17th and left via the same gateway on the following day.

Charles L. Gable, Auditor, entered via the west gate on September 6 and left via the west gate on the 15th.

C. D. Monteith, National Park Service Investigator, entered via the west gate on September 8, and left via the north gate on the 18th.

John D. Coffman, Fire Control Expert, returned to the park on September 10 and left via the south gateway on the 21st.

Dr. C. C. Wahle, Park Naturalist for Glacier National Park, entered at the east gate on September 17 and left via the west gate on the 18th.

140 - Labor Situation

At no time during the summer was there a shortage of help and even during the fires there was no difficulty in getting sufficient men. The expenses in connection with the fighting of the forest fires made such inroads into the park appropriations that it became necessary to curtail our expenses much sooner than in former years, causing the early reduction of forces. The park operators were desirous of cutting down their activities as soon in September as possible due to the decline in business, and their September operations were with the minimum crews.

180 - Circulars, Placards, Publicity Bulletins, etc.

Following the departure of Mr. J. R. Nader, park publicity man, on August 25, no press bulletins were sent out to our publicity mailing list with the exception of the story covering the final travel figures. However,

during the Chipmunk Creek fire and Floyd Gibbons' visit to the park, a number of Associated Press dispatches were released as were also a number of pictures to picture syndicates. Circulars Nos. 10 and 11 were issued and Nature Notes for September was mimeographed and distributed. Copies of the above mentioned are attached hereto.

200 - Maintenance, Improvements and New Construction

The following is a report of activities under the supervision of the Engineering Department:

210 - Maintenance

Roads in the park - 1202:

All general road maintenance crews, with the exception of Mammoth, Canyon and Lake were transferred at the close of the official season, September 20, to road cleanup Project 543 and roadside cleanup project 776. These sections suffered from lack of maintenance during the severe fire season and considerable extra work was necessary to put them in shape to carry over the winter months.

Dust palliative oiling and semi-processing with maintenance funds was carried on throughout the month over about forty-five miles of roadway, covering the South Entrance road below West Thumb, the East Entrance road between Lake Junction and Lake Butte, and the Tower Falls road between Mammoth and Gaode Creek. This work was over unimproved road sections where oil is sprayed and covered with a coat of roadside material. Completion of this type of oiling during the fall will tend to better protection of the dirt surface over the winter and the release of equipment for more intensive work next spring.

A crew of twelve men working with a large concrete mixer was engaged in preparing and stockpiling premixed oil patching material and turned out approximately 1,000 cubic yards during the month.

Roads in East Forest-1203:

This crew was discontinued for the season on September 21, the work for the last ten days consisting of graveling and getting out logs for culverts and cribbing to be repaired next spring.

Roads in South Forest-1204:

Work on this section closed down on September 18, leaving this road in better condition than for several seasons past.

Signs-1325.4:

This project presents no special features for the month, the work for the most part consisting of a log of the sections already signed and the

filling in with additional road signs or slight changes in location for better service.

Trails, Old Faithful-/526.1:

Work for this month was confined to the Geyser Hill trail, more properly called a footpath, a ten-foot width trail 4300 feet in length, with a top treatment of emulsified asphalt. Accomplishments for the month consist of the construction of 3600 feet of sub-base and the laying of 370 feet of treated surface, together with the necessary drainage structures. When this is completed anyone even with light shoes on will be able to view all of the points of interest on Geyser Hill with no difficulty at all.

Surface Betterments-/527:

Lake Shore Road between Amica Creek and Bridge Bay:

Reconstruction of the Lake Shore road was commenced on September 9. This 12-mile section had been originally processed in 1928. It had become very rough and wavy in spots but was still sound and practically unbroken except in small holes at scattered intervals. The original work had been difficult on account of an exceedingly unstable sub-grade and to scarify this old cake invited a repetition of the same difficulties. A retread on top of the old pavement was decided on and as the roadside material was mostly of Obsidian or Beach sand with very little clay encountered, it was decided to obtain material wherever possible by widening and deepening the side ditches and where not obtainable from this source, to haul in from local pits. It was decided to attempt a 3" cake retread on the old road which would require additional material of about 1,000 cu. yds. per mile. Four miles of the twelve mile section were entirely completed and three additional miles in various stages of construction.

Road cleanup, Firehole Cascades-Obsidian Cliff-/543:

Satisfactory progress was made on this project during the month, the crew located at Beaver Lake completing about three miles of the Norris-Mammoth section and a second crew installed at Norris at the close of the maintenance season covering an additional half mile. This work consists of reslaping to a flat slope and rounded shoulders all road cuts, filling in and otherwise obliterating all old borrow pits, cleaning up debris, etc.

Roadside Cleanup, Donation-/776:

A small balance remains in this fund and crews have been installed at Lake and West Thumb to carry the original cleanup line established under this project back to a width comparable with our present cleanup standards

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Carpenter Shop: The Master Carpenter and helpers completed Mt. Holmes Lookout; shingled Crevice Ranger Station; shingled ranger building at Game Ranch. General repairs were made to buildings at Mammoth and other buildings in the park.

Electrical Department: Work of this department consisted mainly of electrical and telephone maintenance.

Painting Department: Work of this department consisted of inside and outside painting of various buildings at Mammoth and in the park. Some time was devoted to sign painting and lettering.

Sanitation Department: The following work was done by this department during the month of September: Mammoth: Maintenance and operation of water and sewer systems, and operating ten heating plants for heating administration building and employees' quarters. The incinerator was kept in operation until September 22nd. The camp grounds were cleaned until the 22nd, then all water was turned off for the winter. Garbage was hauled daily from all buildings in Mammoth. Work was commenced at the warehouse to install a complete steam heating system including an oil burner. Mammoth Water Supply Intake: Building new wing wall at the Gardiner River intake and constructing a log bridge across the Gardiner River to make it possible to get to the Panther Creek intake. Considerable repair work was done to the concrete pipe line. Apollinaris Springs: Operating one water and sewer system, cleaning parking areas and campgrounds, also one comfort station until September 22 when the water was shut off for the winter. Norris Area: The water was turned off at this place on September 22. Madison Junction: The water and sewer system was operated here until September 21. Old Faithful Area: Operated and maintained two sewage plants with chlorine machines and two water systems and one incinerator until September 22 when the water was turned off for the winter. Construction work consisted of laying a pipe line for supplying the new ranger bunkhouse, washhouse and road crew bunkhouse with water. West Thumb: The water was turned off on September 22 at West Thumb. Lewis River Ware House: The water system here was drained for the winter on September 20. Lake Area: The incinerator was operated until September 2, when all garbage was hauled to the Fishing Bridge Incinerator. The water was turned off at the Lake area on September 22. Fish Hatchery: Installed complete hot air heating system in Mr. Foster's residence. Lake Ranger Station: Installed toilet facilities, bathtub, kitchen sink and hot water tank. Fishing Bridge Area: The incinerator was operated until September 22. Ten cords of wood was cut for the incinerator. The water was turned off on September 21. Sylvan Pass: Water turned off September 20. Canyon Area: Maintaining and operating three hydraulic engines for supplying camp grounds, etc., with water. Three sewage plants were operated with chlorine machines. Tower Falls: The water was turned off on September 24.

300 - Activities of Other Agencies in the Park

The travel during September was in line with what it was during the previous months of the summer and the business of the park operators has also kept pace with the business during the previous months. The poor business caused the operators to close their operations as early as possible and the hotel and lodge at Lake and Roosevelt Lodge were closed on September 1. The other lodges in the park closed on September 10. Old Faithful Inn ceased operations on the 18th and Mammoth and Canyon Hotels were closed on the 19th. Informal accommodations were available for late visitors until the end of the month.

[illegible]

400 - Flora, fauna and natural phenomena

410 - Ranger, naturalist and guide service

For the most part the month was a continuation of the two preceding in regard to the fire hazard. The entire month, with the exception of two days, was dry and warm with the drouth conditions continuing. It was necessary during the fore part of the month to have a great many of the rangers on fire duty at the Gallatin and Chipmunk fires, which fires at this time of the year naturally delayed the work preparatory for the coming winter. Due to these fires it was necessary to retain several of the temporary rangers longer than usual.

The Chief Ranger, Forest Assistant and Field Assistant have made various and sundry inspections over the park during the month. Preparations at the end of the month for the coming winter were well under way. The snowshoe rations were being made up and delivered to the different stations. Permanent rangers were moved to their winter assignments. The fire lookouts on Mt. Sheridan, Mt. Holmes and Mt. Washburn were dispensed with on Sept. 21, 22 and 23 respectively.

420 - The following is the report of the Museum and Information Office for the month:

Public Contacts: Total contacts for the month 36,052, an increase of 13,436 over 1930. Average contact 1.7 per visitor.

a. Total field trips 122, with attendance of 3394, an increase of 18 trips and 1476 contacts over 1930.
b. Total lectures 122, with attendance of 16,237, an increase of 41 lectures and 8581 contacts.
c. Total auto caravans 15, comprising 448 cars, carrying 1803 persons, an increase of 4 caravans, 369 cars and 1415 people.
d. Museum attendance for month 14,618, an increase of 1964 over 1930.
e. One special party numbering 38 persons.
Madison Museum was closed September 1, Fishing Bridge Sept. 9, and Old Faithful, Mammoth and Norris Museums on September 20.
f. Ranger Naturalist Staff releases were granted as follows: Joyner and Marler on September 6; Lystrup and Crook on Sept. 9; Smiley and Harrison September 11, Martindale, and Arnold on September 16, Stewart September 18, Nash September 19, Isackson and McDougall September 30 and Condon September 30.

Permanent Projects:

a. Nature Notes franked to 725 individuals and institutions.
b. Library accessions for the month totaled 228, 7 books, 110 periodicals, 10 pamphlets and 1 photostatic reprint; 104 were gifts; 65 books were in circulation.

c. Museum accessions totaled 5; 1 etching, 1 garnet schist, 1 Indian skinning knife, 1 obsidian spear point, 1 stone scraper.
d. Lantern slides - 200 in circulation during the month.
e. Museum work - 13½ days spent on museum preparation and storage and closing up for the winter.
f. Equipment: Spencer Balopticon, 3 photograph albums, 200 blank sheets, 6 steel rat traps.
g. Photographs: 12½ days of additional help used in pasting, sorting and re-assembling albums; 122 negatives in circulation.
h. Publicity Clippings: 1/2 day spent on clippings.
i. Sales Publications: Total sales for month 692 publications with a value of $410.55. 9½ days were spent on inventorying, transfer of publications and making out and settling accounts.
j. Report forms: Service records practically completed; comparative report of contacts for 1930 and 1930 compiled.
k. Personnel: Park Naturalist, Assistant Park Naturalist and Museum Caretaker on duty throughout month; Junior Park Naturalist on 1 day of leave.

430 - Buffalo Corral

From the 1st to the 19th, inclusive, there was a total of 2860 visitors in attendance at the buffalo corral. During the entire season 43,490 visitors visited the buffalo corral as compared with 31,277 last year and 47,333 in 1929. Hay was fed to these buffalo during the month while they were in the corral.

440 - Insect Control

Plans to begin extensive insect survey work early in September were delayed by the Chipmunk Creek fire, but three crews were in the field on September 27 and they will be able to complete most of the work outlined for this fall.

Surveys of areas ranging in size from 3 to 10 sections will be made in the Bechler River, Red Mountains, Chicken Ridge, Big Game Ridge, Campanula Creek, Fan Creek, Bacon Rind Creek, Mt. Holmes and Lamar River regions. The mountain pine beetle infestations in Yellowstone Park have become very alarming during the past season as each of the above named regions are known to contain a large number of newly attacked trees. The survey crews, consisting of two men each, are running strip lines through the infested areas on a 2½ to 5 per cent basis. The data collected on the percent of area surveyed will be applied to each infested region. The information collected from these extensive surveys will furnish a definite basis for outlining an actual control campaign against the mountain pine beetle infestations in Yellowstone Park.

The type map crew was again able to make rapid progress during the month of September due to the ideal weather. All of the area east of Bechler River to the Snake River-West Thumb road and north of the south boundary to Shoshone and Lewis Lakes has been completed. The remaining work outlined for

this season consists of the area north of Lewis Lake to the Old Faithful-West Thumb road, and west of Central Plateau to the Old Faithful-Madison Junction road.

The fact that there has been no change in personnel of the type map crew during this season has aided the progress of the work noticeably. Two members of the party, however, are leaving to return to school October 1, but experienced men have been selected to relieve them.

All wood cutting areas and timber operations have been inspected in preparation for fall cleanup work. Some brush burning has been completed along road right-of-ways but dry weather has prohibited the starting of intensive brush burning to date. A government crew of about 3 men will, as soon as practicable, be sent around the loop and all brush left from government operations will be burned. The Park operators will do their own cleanup and burning of brush.

460 - Birds

Practically all the summer birds are still in Yellowstone Park due to the warm weather which has prevailed during the month. Large numbers of Canada geese and ducks are being reported as seen by the rangers in the various waters of the park.

The two trumpeter cygnets disappeared on September 14 and were not seen again. The careful survey of the shores of both lakes in the vicinity of Tower Falls failed to disclose any feathers or tracks which would give a clue to their disappearance by predatory animals or birds. Such clues were not located.

470 - Animals

The latter part of the month saw large numbers of the game animals drifting toward lower altitudes as the snow fell in higher ranges and cooler weather set in. Forage conditions are very poor and it will be necessary that a great deal of feeding be done this winter. All animals noted are in good condition.

Elk: During the latter part of the month large numbers of elk which had drifted down from the higher ranges were being seen by the visitors in the meadowlands along the roadsides. About 100 of these animals were seen in Mammoth on the night of the 30th, which is an earlier date than last year for these animals to drift into Mammoth parade ground. Over 100 were also counted in Elk Park and Gibbon Meadows the latter part of the month. Hundreds of these animals are being reported from Heart Lake and Fawn Pass and are gradually drifting to their winter feed range. Over 300 elk were seen on the Game Preservation Ranch during the early morning of September 29, which is about 15 days earlier than last year for so large a number.

Deer: A count the latter part of the month disclosed a total of 32 deer on the Mammoth parade ground, which is a higher number than were in Mammoth at any time during the entire winter of last year. All of these animals

are noted to be in fair condition. Several of these animals are also to be seen in the vicinity of West Yellowstone and Old Faithful as well as along the roadsides.

Antelope: Approximately 25 head of antelope are now ranging in the Gardiner hay field and are creating a great deal of enjoyment for the late visitors. These animals are in excellent condition with their forage conditions as good.

Moose: Very few moose are being seen at this time by the visitors due to the fact that construction work on the roads is being carried on at the places where these animals are usually seen to be feeding, many at Willow Park and near Tower Falls. However, several were reported in good condition in the Riverside district, Bechler district and in the Thorofare country.

Buffalo - Lamar River Herd: The buffalo during the entire month were to be seen almost any day in the upper hay fields in the Buffalo Ranch. At one time it was estimated that over 700 of these animals had drifted into the ranch, but they later drifted back to higher country.

Plans were made to hold a roundup about October 5, providing a sufficient number of inquiries were received for buffalo in order to allow those who desired to do so to drive to the park and transport buffalo by truck. However, only three persons signified their willingness to come at that time and the roundup was called off. A great many letters have been written to the various individuals who wish to acquire our buffalo and we hope that we may be able to ship out a large number of them during November. Probably a roundup for these shipments will be held about the first of November. Bids for the sale of 800 buffalo were sent out the early part of the month and only one bid was returned, this one by R. D. Custer of Missoula, Montana, the successful bidder for last year. The bid as submitted was as follows:

Steers.....	$20.00
Cows.....	12.00
Bulls.....	14.00

These prices were considered too low for buffalo and the bid was rejected. It is hoped that we may be able to slaughter the buffalo as we desire and give them to the needy in the surrounding states.

Sheep: Twenty-five to 35 head of mountain sheep are being reported occasionally as seen from Mt. Washburn. These reports were the only ones received during the month on the sheep. However, it is expected that the sheep will gradually drift to their winter range in the Gardiner Canyon during the coming month. Those noted were in fair condition.

Bears - black: The bear situation still remains serious, in fact, probably a little more so after the hotels and lodges closed as they were continually in the contractors' camps wrecking tents and meat houses which

caused a great number of complaints to be filed by these contractors. It is hoped that we have inquiries from public parks and zoos for bears in order that we may be able to ship some of the surplus from this park.

Bears - grizzly: During the first half of the month while the bear feeding grounds were in operation large numbers of these bears were to be noted in each one of them. All are in excellent condition. The feeding ground at the Canyon has become noted for its great number of grizzly bears and is now creating more excitement because of a young coyote which inhabits that region and makes his debut each evening with the grizzly bears. Orders have been issued in view of this coyote visiting the feeding ground, with the grizzlies, that no coyotes under any circumstances are to be killed anywhere in the vicinity of the Grand Canyon.

Smaller Animals: In the vicinity of Tower Falls on Coyote Creek a large colony of beaver are working preparing their dam and getting in the winter's food supply. No picket pins or marmots were seen at all during the month. Jack rabbits are very plentiful throughout the park as well as snowshoe rabbits.

Fish: There was a total of 91,357 fish taken from the park waters by private autoists during the past season as compared with 76,692 last year and 38,495 in 1929. It is estimated that 60,000 fish were taken by rail tourists and local people during the season that are not accounted for, making a grand total of 151,357 fish.

Ranch Operations: The final hay tonnage figures for this year are as follows: These figures are shown to correct the ones as given in the monthly report for August.

Game Preservation Ranch:	First cut	50 tons	
	Second cut	20 "	70 tons
Gardiner Ranch:		60 tons	
	On hand	50 "	110 tons
Mammoth field:		12 tons	12 tons
Lower Slough Creek:		208 tons	
	On hand	155 tons	363 tons
Upper Slough Creek:		196 tons	196 tons
Yancey Ranch:		43 tons	43 tons
Buffalo Ranch:		270 tons	270 tons
		Total	1064 tons

As only 270 tons of hay were cut at the Buffalo Ranch, which is probably one-half which will be necessary for properly feeding the buffalo during the coming winter, a contract was let for the cutting of 137 tons at Pelican Meadows in the Lake District at a cost of $18.00 per ton. Also,

New activity appears to be resumed on the portion farther to the west, but so far only steam is escaping from the vents.

Norris Geyser Basin: Reports on the activities in the geyser basins were only observed through September 19. No outstanding changes were noted in the activities of the geysers in this basin during that time and nothing has been reported by anyone since that time.

Constant Geyser played at four minute intervals for a period of 15 seconds to a height of approximately 25 feet. Energetic played at three minute intervals for a period of 10 seconds to a height of approximately 15 feet. Ebony Geyser played at fairly regular intervals for a period of five minutes to an approximate height of 30-35 feet. At least one eruption in 24 hours and several times two were noted. No eruptions of Echinus Geyser were observed. Fan Geyser played quite regularly at average intervals of some seven minutes and to a height of about 30 feet. No eruptions of Fearless Geyser were noted, but constant steaming ensued throughout the month. The first four days of the month Hillside Geyser played at regular intervals four to five times a day to a height of 10-15 feet for a period of 40 seconds, but no eruptions were noted after that although some water was running from the vent continuously. Monarch Geyser boiled continuously but no eruptions. Minute Man had few and irregular eruptions of four minutes duration to a height of 30 feet. New Crater Geyser played at 3 minute intervals for a period of one to two minutes. Rawhill Geyser played at intervals of 10-15 minutes to a height of 10 feet, for a period of 5 minutes. Valentine Geyser played three times during the first part of the month, playing over a period of 2 to 2-1/2 hours and to a height of 75 feet. Whirligig Geyser played on September 2 and 3. Ledge and Mud Geysers were observed only once during the month, both on September 7.

Upper Geyser Basin: For the first time during this season, both the Giantess and Beehive Geysers erupted. The Giantess commenced playing at 10:00 p.m., September 15 and played approximately twelve hours, draining both the Teakettle and the Vault. It was not as violent nor as long an eruption as usually occurs. The noise was plainly heard at the Museum. The Beehive played at night some time between September 6 and September 10.

Observations were made only during the first nine days of September, but the average interval for the Daisy Geyser during this time was 104 minutes.

Sixteen eruptions of the White Dome were noted between 11:12 a.m. and 5:42 p.m. on September 9. The average interval varied between 3 and 8 minutes and the height of eruption 30 feet.

300 - Use of Park Facilities by the Public

510 - Increase or decrease in travel

The 1931 tourist season officially closed on September 20, and travel records were closed on September 25. A copy of the final travel statistics is attached hereto.

The grand total of all travel for the year was 221,248, as compared with 227,901 last year, and 250,697 for 1929. The travel shows a loss of 6,653, or a decrease of about 2.9%. A press release giving detailed statement of the travel for the past year has been mailed to the press, railway officials, public operators and friends of the park throughout the country.

530 - Visitors

August 31 - Hooper, S. C., Washington, D.C., (with the Division of Bookkeeping and Warrants, Treasury Dept., Washington, D.C.) Out west September 4.

Sept. 2 - Walcott, Frederic C. (U.S.Senator from Connecticut, Chairman of the Committee on Wild Life.) Out south 3rd to Grand Teton.

- Webb, Vanderbilt, New York City. (Attorney for Snake River Land Company.) Out south 3rd to Grand Teton Park, returning on 7th and leaving by west gate.

Sept. 3 - Simmons, Robert G. (U.S.Congressman from Nebraska.) In own car, out east 5th.

- Chorley, Kenneth - New York City. (Representative of John D. Rockefeller, Jr., in Snake River Land Company.) Out south 3rd to Grand Teton, returning on 7th and leaving via Cody same day.

Sept. 5 - Gibbons, Floyd - New York City. (Famous war correspondent and radio speaker.) Mr. Gibbons made a twelve day pack trip along the eastern side of the park, spending the last five days on the Chipmunk Creek fire. Out north on 17th.

Sept. 5 - Pittman, Key (U.S.Senator from Nevada.) Went direct to the Grand Teton Park on the 5th.

- Lankford, N.C. (U.S.Congressman from Georgia.) Out Gardiner on 7th.

Sept. 7 - Lieber, Mrs. Richard, Indianapolis, Ind. (Wife of Colonel Lieber, Director of Conservation for the State of Indiana.) Out west on 11th.

- Kennedy, M. H. (U. S. Trade Commissioner, London, England.) Out north 8th.

- Coley, Bishop Edward H., Utica, N.Y. Out west 11th.

Sept. 8 - Buell, D. C., Omaha, Nebr. (Director Railway Educational Bureau, C. & N. W. Railway Company.)

September 9 - Davis, Herbert L., Washington, D. C. (Superintendent of Insurance for the District of Columbia.) Out Gardiner on 11th. With Insurance Commissioners' party in charge of Honorable Howard P. Dunham, Insurance Commissioner of Connecticut.

- Deming, W. C., Cheyenne, Wyoming. (Editor of Cheyenne Tribune and former member of the Civil Service Commission.) Out east on the 10th.

17- Burt, Struthers, Jackson, Wyoming. (Author and dude rancher.) Out south on the 18th.

18- Hays, Howard, Glacier Park, Montana. (President of the Glacier Park Transport Company and former president of the Yellowstone Park Lodge and Camps Company.) Out Gardiner on the 19th.

21- Sunday, William (Billy) noted evangelist. Made park trip entering and leaving via Gardiner on the same day. Made second loop trip September 28.

22- Clark, A. M., Cheyenne, Wyoming. (Governor of Wyoming.) Out east on 22nd.

600 - Protection

620 - Fire Protection

The following paragraphs give a short resume on fires suppressed during the month of September on which fire suppression funds were used:

Beaver Creek Fire - 110.18: At 5:20 p.m., September 5, the Mt. Sheridan lookout reported a lightning storm around Heart Lake. Two lightning strikes apparently hit on the north shore of Heart Lake and Temporary Ranger Crowell, who was stationed at Heart Lake, was requested to go out and look for them. At 6:15 p.m., Crowell reported back, stated that he had run across a fire about a half mile up Beaver Creek, which is approximately one and one-half miles from the Heart Lake Station. The fire at this time was about ten square yards and was in heavy spruce and down timber.

At 6:36 p.m., Road Foreman Boyce of the Lewis River Road Camp and his five men were notified to proceed to Heart Lake in their road truck. At 7:00 p.m., Road Foreman Benson of the West Thumb Road Camp, with four men, was notified to report at Heart Lake for fire duty. At 7:40 p.m., the Mt. Sheridan lookout reported that it was raining there, which would probably put the fire under control.

Crowell reported at 8:05 p.m. that the fire consisted of about 100 square yards and rain had stopped the fire from spreading. He said Boyce and

his crew of five men would be able to have the fire out by midnight and the road crew from West Thumb would be sent back to Thumb on their arrival at Heart Lake.

At 10:30 p.m., District Ranger Grimm arrived at Heart Lake. Grimm's delay in arriving at the fire was due to the fact that the telephone line between Lewis Lake and Heart Lake was out of commission that evening. Trees blown over by the wind caused the line to go out. At 11:30 p.m. Grimm reported the fire as under control, two men to be kept there for a day or two for patrol duty.

Union Falls Fire - 110.19: At noon, September 5, a fire was discovered by Mr. Goodacre, a member of the mapping crew, from Pitchstone Plateau. The fire consisted of duff and rotten wood burning and was apparently caused by lightning. At 1:30 p.m. the fire was reported to Art Jacobson at camp. The fire was also sighted by William Vaughn of the mapping crew, Art Jacobson left for the fire immediately, taking two men with him, and traveling four miles by foot. At 3:00 p.m. control work was started on the fire. Reinforcements, consisting of two men at 6:00 a.m. and four men at 1:30 p.m. on September 6, arrived, and the fire was controlled at 9:00 a.m., September 7. The fire was reported out at 3:00 p.m. September 8. Timber burned was alpine fir, lodgepole and spruce, and area burned was one-eighth of an acre.

Blacktail Deer Fire - 110.20: At 1:45 p.m. on September 6, Temporary Ranger Robertson called from the Mammoth Lodge and reported that smoke was visible near the Blacktail road camp on the Tower Falls road. At 2:07 p.m. Rangers Trischman and Jay left for the fire. During the remainder of the afternoon and up to 6:00 p.m. there were six rangers and three road crew men on this fire.

At 6:00 p.m. Road Foreman Curaina with four men arrived at the fire for patrol duty that night. It was necessary to keep two men patrolling the fire from September 6 to September 10, and one man on September 11, at which date the fire was reported as out. The size of the fire was approximately ten acres, five acres of grass land and five acres of timber. There were probably one hundred trees killed by this fire.

Harebell Fire:-

At 2:20 p.m. on September 6, District Ranger Grimm of the Snake River Ranger Station, reported a small fire near the Harebell Ranger Station. He left immediately in company with Temporary Rangers Malvet and Crowell for this fire.

At 3:20 p.m. the Mt. Sheridan lookout spotted the smoke from the Harebell fire and gave the location as two miles northwest of the Harebell Cabin. At 9:20 p.m. Rudolf Grimm reported that the Harebell fire was out at 6:30 p.m. The fire was caused by lightning and only a couple of logs and a small amount of duff burned.

Spirea Fire - 110.21: At 4:44 p.m. on September 6, the Mt. Sheridan lookout reported a fire about three miles south of the Lewis River road camp and about one-half mile west of the road. The smoke which was noted was very small.

At 4:30 p.m. Ranger Walker and three men from the Thumb road crew left for the Lewis River to take over this fire. This party was unable to locate the fire that night and returned to West Thumb. The next morning, September 7, at 11:30, Ranger Cammill located this fire in the exact location as given by the Mt. Sheridan lookout, the previous day. He left the fire at 12:30 p.m. and road crew foreman Boyce of the Lewis River road camp and his crew of four men were left in charge of the fire with orders to see that it was completely out before leaving. At 8:30 p.m. Boyce reported that the fire was out, but he would take an occasional look at it for the next few days.

Lamar Canyon Fire - 110.22: A fire at the head of the Lamar Canyon was reported to Chief Buffalo Keeper Joseph Douglas at 9:45 a.m. on September 7, by a tourist.

Mr. Douglas with two men had the fire under control at 12:00 o'clock noon and the fire was out at 3:00 p.m. The total area burned consisted of two acres;material burned was grass and sagebrush.

Gallatin Fire - 110.24: At 3:30 p.m.on September 7, a smoke was reported from Mt. Holmes in the Gallatin district. Approximately ninety men were sent to this fire the same evening and the next morning and the fire was placed under control on the 9th. Mop-up work started on the 10th. The last man left the fire on the 20th. All rations and equipment for this fire were dispatched from Mammoth Hot Springs. Chief Ranger Baggley was in charge of the fire.

The Gallatin fire as reports now disclose was found about 9:00 a.m. on the 7th by Park Ranger Lee L. Coleman of the Gallatin Ranger Station who started on suppression work immediately after discovering the fire. In the middle of the afternoon Coleman had the fire well under control but due to the rising wind, which finally blew into a gale which spread the sparks and started the fire anew, he lost the entire line which he built. When the fire leaped out of control from Coleman's trench it spread approximately one mile in length in about two hours. Word was telephoned to Mammoth as soon as Coleman reached the East Gallatin road crew late that same afternoon. The Gallatin road crew, consisting of six men, were immediately sent to the fire. The fire was located about five miles due east of the 40-milepost on the west boundary line.

Chipmunk Creek Fire - 110.23: This fire was located about six miles up Chipmunk Creek from the south arm of Yellowstone Lake. It was discovered about 9:30 p.m. by District Ranger Banks and District Ranger Dart, who were at Cabin Creek snowshoe cabin that evening. They reported that a very faint glow was showing and that the fire was very small and that they would proceed there early the next morning. In view of the cold and frosty conditions of the night at that time in that territory it was not thought that the fire would spread to any great extent. However, on

September 13, with rising temperature and low humidity, with high winds, the fire swept up and crowned out, spreading over a large territory approximately 1200 acres. Men were dispatched as fast as possible by speedboat and launch from the Lake boat docks to the south end of the Lake and from there walked to the fire. About 100 men were on this fire. Rains and snows over the fire area on the 19th and 20th practically put it out and the men were sent back on those dates, the last load of equipment and men coming in from the Chipmunk fire on September 23.

It was on this fire that Floyd Gibbons offered the use of the horses which he had while on his pack trip in Yellowstone Park, which horses were of the greatest value to us at this time due to the great distance from any traveled highway.

Pitchstone Plateau Fire - 110.26: This fire was started by lightning on September 26 and was less than one-fourth of an acre. It was located about one and one-half miles southwest of the Lewis River road camp. District Ranger Grimm, of the Snake River Ranger Station, took charge of the fire and it was placed under control by the five road men of the Lewis River road camp. The fire was discovered at 1:23 p.m., under control at 3:30 p.m., and was out at 4:00 p.m.

630 - Accidents

(These August reports were received too late to include in August monthly report.)

At 6:55 a.m., August 29, 2½ miles from Norris Junction on the Norris Junction-Mammoth road, a collision occurred between Ranger Allyn F. Hanks driving a Chevrolet, Montana license 11-140, and Hallenbeck truck No. 28, driven by Dexter Blitz, and Harley motorcycle with side-car, owned by J. E. Haynes, and driven by B. J. Meline. The motorcycle and Chevrolet were slightly damaged but no damage was done to the truck. The Haynes' motorcycle carried liability insurance and claim for full compensation has been made to them.

On August 18 at 10:30 a.m., a truck driven by Leslie Fairless, owned by Ernest Dutton and who is employed by Hallenbeck, road contractor, was proceeding south along the road across Gibbon Meadows. The driver turned to the right upon meeting a northbound passenger car. He misjudged the distance, got on to the soft shoulder of the road, went down the bank, which is about four feet high at this point, and turned over. The driver stayed in the cab and was not injured. He reports his speed at 20 miles per hour.

On August 30, 2½ miles south of Norris on the Norris-Canyon road, Mr. Thompson, driving Government Ford No. 32, in attempting to pass Nash Sedan, Wyoming license 112119, driven by Mr. O'Bucina, struck the rear wheel of the Nash while the Nash was attempting to get over on the right side of the road. Damages slight.

On September 6, at 10:45 a.m., Reo car, Alberta license 304183, driven by C. H. Moore of Calgary, Alberta, Canada, went into an irrigation ditch in front of Haynes Picture Shop at Mammoth when Mr. Moore was not watching where he was going. His small daughter was thrown out of the

front seat against the dashboard and suffered a cut over the right eye. She was taken to the hospital. The only damage to the car was a bent right running board.

On September 6, 7 miles toward Norris from Canyon, Chevrolet, Illinois license 709-604, driven by Harry Chester of B. L. Marder Co., Chicago, Ill., sideswiped Hudson, Nebraska license 2-4524, driven by John J. Bogan of 1900 Perkins Blvd., Lincoln, Nebr. Damages to the Hudson were slight.

On September 6, at 6:00 p.m. J. R. Sandeland of Bozeman, Mont., driving Nash, Montana license 12697, and a California car, driven by W. R. Winter were involved in a collision. Damages slight. Mr. Winter threatened to sue Mr. Sandeland for damages.

On September 7, one mile west of Lake Hotel, Nash car, Pennsylvania license 20-326, driven by I. Sauervien of 4603 Wayne Ave., Philadelphia, Pa., slipped into a ditch when Mr. Sauervien attempted to take a picture of the lake. The car was not damaged but it had to be taken out of the ditch by the Transportation Company wrecker.

On September 11, 7½ miles north of Lake Junction on the Canyon road, a collision occurred between Chevrolet, Montana license 99-803, driven by Mrs. Frank Roberts, Jr., of Gardiner, Montana, and Harley-Davidson motorcycle driven by Temporary Ranger Loy B. Worley, stationed at Lake Ranger Station. The motorcycle is Government motorcycle #24. Worley was thrown from his machine at the first impact of the collision and taken to the Mammoth hospital where it was found that he suffered several bruises. The damages to the Chevrolet were slight. The motorcycle was badly damaged.

On September 9, two miles out on east entrance road, Graham car, Ohio license 108164, driven by W. F. Meredith, and White truck, license 35, owned by the Hallenbeck Construction Company and driven by Tony English, collided. Damages to Mr. Meredith's car were estimated at between $200 and $250. Damages to truck were slight. Passengers in the Graham suffered slight injuries.

On September 11, near Virginia Cascades, a collision occurred between Chevrolet, N.P.S.347, driven by Chief Ranger Baggley, and Ford Sedan, Illinois license 914-012, driven by Fred Schramm of 3651 Wrightwood Ave., Chicago, Ill. Damage to the Government car will amount to about $10; damages to Mr. Schramm's car will amount to about $20.00. Mr. Schramm accepts responsibility for the accident as he was on the wrong side of the road on a curve.

On September 18, 5 miles from Madison Junction on the West Yellowstone road, Ford A, Montana license 15-595, driven by Red Peasley, Electrician for the Hotel Company, struck large rock at edge of highway, and car overturned several times and landed 45 yards from road. The car was demolished. Peasley, who was taken to the Livingston Hospital, was reported to have received a broken jaw and numerous severe cuts and bruises about the face and body. Mr. Adolph Reighton, fireman at Old Faithful Inn, who was a passenger in the Ford, escaped with slight cuts and bruises.

900 - Miscellaneous

Hospital and Medical Service: The following are the number of patients admitted to the Park hospital, professional calls made in the park, and the miles traveled during the month of September from the 1st to the 15th inclusive: (The hospital closed on the 15th.)

Total number of patients in hospital..... 19
1 - Surgical (major)
6 - " (minor)
4 - Sick
2 - Accidents (major)
6 - " (minor)
19

1 Death, (at Canyon Hotel) heart failure - Mr. James O. Wirtzman, 4200 2nd Ave., Los Angeles, Calif.

No. of miles traveled.....1,250
No. of calls in the park, majority employees..... 30
No. of complete tours of park checking dispensaries,.. looking after guests and employees, majority employees..... 2
No. of minor operations, dressings, etc., coming to the hospital..... 75
No. of calls upon nurses throughout the park dispensaries by employees and guests, majority employees..... 225

Post Office: The postal stations at Old Faithful, Lake Outlet, Fishing Bridge, Canyon and Tower Falls were all discontinued at the close of the tourist season, and the Star Route connecting them with the main office was discontinued at the close of September 19th, as usual.

The post office was moved from summer to winter quarters on September 26.

A summary of business for the tourist season of 1931 shows a decrease in receipts in the post office of 37 per cent over 1930. Record of cancellations show a decrease of 13½ per cent over 1930, this difference being mainly in the number of postal picture cards mailed by tourists.

Church Services: The Roman Catholics discontinued their services in the chapel at the close of August. Protestant services were held at 10:30 a.m. and 8:00 p.m. Sundays during September as follows: September 6 and 13, assigned to Baptist service, but Rev. H. R. Norwood of Livingston wrote that he could not be spared from his own congregation, so the pulpit was filled both mornings by Rev. Fred Isacksen, Park Ranger-Naturalist, and the two evenings were supplied by Rev. L. D. Smith, Episcopal minister from Livingston. Since the close of the tourist season there have been no church services.

Officials of the Dude Ranchers' Association met at the Canyon Hotel on September 4, and on the following day enjoyed a picnic at Stevenson Island. Members of the park organization attended the meeting at the Canyon Hotel on the night of the 4th. I. N. Larom of the Valley Ranch, President of the Dude Ranchers' Association, presided.

Floyd Gibbons, famous war correspondent, radio broadcaster and author, came to the park on September 5 with his brother Donald of Minneapolis, for a 12-day pack trip through the eastern side of the park. He had contemplated going into the Grand Teton Park for a couple of days following his Yellowstone visit. However, while on this pack trip, a fire broke out in the southeastern section of the park on Chipmunk Creek and Mr. Gibbons immediately offered his pack outfit to aid in combatting the fire and likewise offered the services of himself and his men. The pack outfit was operated by Harold Elkins. There was no other pack outfit in the immediate vicinity of the fire and the Park Service was very glad to accept Mr. Gibbons' offer. Following his return from the fire and while Director Albright was in the park, Mr. Gibbons was made an honorary member of the park ranger force, and was presented with a ranger badge and a letter congratulating him on the service he rendered and making him an honorary member of the ranger force. During Mr. Gibbons' stay in the park, a number of Associated Press dispatches were sent out and they were well received throughout the country. Also, pictures showing the placing of the badge on Mr. Gibbons by Superintendent Toll and Director Albright were distributed to various picture syndicates. A great deal of fine publicity came out of Mr. Gibbons' visit, and it is expected that the Yellowstone and other national parks will receive some excellent publicity through broadcasts and writings of Mr. Gibbons in the future. Mr. Gibbons and his brother were given an opportunity to visit the main points of interest on the loop road by car, the transportation company furnishing a car gratis for these trips.

On September 17, Honorable John W. Meldrum, U.S.Commissioner in the park, celebrated his eighty-eighth birthday. An elaborate dinner was given by the Judge and Mrs. Emma K. Pryor at the Mammoth Hotel, at which Director and Mrs. Albright were the honor guests.

A reception for Director and Mrs. Albright was given at the Toll residence on the night of September 18, to which all of the National Park Service employees were invited.

Park Ranger Frank W. Childs and Miss Virginia Baxter Brown were married at Livingston, Montana, on September 21.

Park Ranger Guy E. McCarty and Miss Alice Norwick were married at Bozeman, Montana, on October 1.

Very truly yours,

Roger W. Toll
Superintendent.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

YELLOWSTONE ..... National Park for the month of SEPTEMBER, 1931.

(These figures are through the 25th of the month only.)

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year *Decrease Number	Percent
VATE TRANSPORTATION:						
s first entry, ...	4095	56754	5970	58592	*1838	*3
s reentry, ...	1359	6460	825	4439	2021	46
[illegible] cars)	422	422	377	377	45	12
rcycles, ...	21	159	20	180	*21	*12
otal motor vehicles, ...	5897	62795	5192	63588	207	.3
sons entering via motor cles, ...	17908	201642	14312	200169	1473	.7
ons entering via other ate transportation, ...	91	477	171	887	*210	*24
tal persons entering via ivate transportation, . . .	17999	202219	14483	201056	1283	.6
R TRANSPORTATION:						
ons entering via stages, .						
ons entering via trains, .	3962	18929	4000	26845	*7916	*29.5
ons entering otherwise, . .						
tal other transportation, .	3962	18929	4000	26845	*7916	*29.5
D TOTAL ALL VISITORS, . . .	20961	221248	18483	227901	*6653	*2.9

	This Year	Last Year	Increase Number	Percent
mobiles in public camps during month, ...	1204	1178	26	3
ers in public camps during month, ...	3817	3616	201	6

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

[illegible] National Park for the month of [illegible]

[illegible] month only.

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year *Decrease Number	Percent
ATE TRANSPORTATION:						
First entry, ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
reentry, ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
rvices, [illegible] . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
al motor vehicles, . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
one entering via motor cles, ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
one entering via other ate transportation, . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
al persons entering via vate transportation,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION:						
ne entering via stages, .						
ne entering via trains,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ne entering airways, .						
al other transportation	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL ALL VISITORS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	This Year	Last Year	Increase Number	Percent
[illegible]				

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STATUS OF AUTHORIZED PROJECTS

YELLOWSTONE National Park for the Month of SEPTEMBER, 1931

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
- Mammoth-Norris Road	100			
.1- Madison-Old Faithful	100			
.4- Signs	96	4	3	
.5- Post Const. Maint.	50			
.6- Bear Feeding Grounds	100		2	
.7- Lewis River Bridge	100			
- Old Faithful Trails	60	15	5	
- " " Parking	100			
.1- Artist Point Cleanup	100			
.2- Artist Point Oiling	20			
.1- Norris-Madison Oil	100			
.2- Norris-Madison Cleanup	95			
.3- Norris-Madison Bridge	100			
- E.Ent.-Lake Butte Cleanup	99			
- Canyon-Tower Jct.Cleanup	100			
- Mammoth Water System	100			
- Mammoth Sewer System	100			
.8- Loop Betterment	100			
.9- " "	100			
- Cleanup (Firehole Cascades-Obsidian)	15			

,000 additional work programmed, June 20, 1931.

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STATUS OF AUTHORIZED PROJECTS

..... Park ..... National Park for the Month of ..... 19..

Description of Projects	Petitions Consummated To Date	Petitions Consummated This Month	Petitions Consummated Last Month	Total Acreage Condemned
[illegible]	[illegible]			
[illegible]	[illegible]			
[illegible]	[illegible]			

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NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of September, 1931

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
r of employees beginning of month	130	399	122	410
r of additions	0	136	3	77
al	130	535	125	487
r of separations	52	309	47	155
r of employees close of month	78	226	78	332
r of promotions during month	0		0	
gate amount of annual leave taken	115		102	
gate amount of sick leave taken	25		0	
gate amount of leave without pay	5 (Dale)		0	

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NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of September, 1931

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
of employees beginning of month	150	300	138	410
of additions	0	138	8	77
	150	300	128	487
of separations	85	300	47	130
of employees close of month	72	400	73	323
of promotions during month	0		0	
of amount of annual leave taken	116		104	
of amount of sick leave taken	58		0	
of amount of leave without pay	5 (Male)		0	

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of September, 1931

	This Year	Last Year
k revenue on hand beginning of month, ...	$15,484.60	$10,062.00
eived, ...	19,874.51	30,679.22
otal, ...	35,359.11	40,741.22
itted, ...	33,826.11	40,680.67
hand close of month, ...	1,533.00	60.55

---

k revenues received this year to date, ...	$148,660.04
k revenues received last year to date, ...	150,797.24
Decrease ~~Increase~~, ...	2,137.20
Per cent of ~~increase~~ decrease, ...	1.4173

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of September, 1941

	This Year	Last Year
k revenue on hand beginning of month,	[illegible]	[illegible]
eived	[illegible]	[illegible]
otal,	[illegible]	[illegible]
itted,	[illegible]	[illegible]
hand close of month,	[illegible]	[illegible]

revenues received this year to date,	[illegible]
revenues received last year to date,	[illegible]
crease	[illegible]
er cent of increase	[illegible]

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UNITED STATES
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NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

MAMMOTH AND OLD FAITHFUL MUSEUMS [illegible] 1931.

	Number	Value
GOVERNMENT PUBLICATIONS:		
On hand beginning of month,	1385	284.55
Received during month,	375	307.50
Total,	1760	592.05
Sold during month,	607	307.25
On hand at close of month,	1153	284.80
NON-GOVERNMENT PUBLICATIONS:		
On hand beginning of month,	509	687.50
Received during month,	17	19.00
Total,	526	706.50
Sold during month,	85	103.50
On hand at close of month,	441	[illegible]
Cash on hand beginning of month,		[illegible]
Sales during month,		[illegible]
Total,		[illegible]
Remitted during month,		975.00
Balance,		[illegible]

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NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

	Number	Value
VERNMENT PUBLICATIONS:		
hand beginning of month		
eived during month		
Total		
ld during month		
n hand at close of month		
-GOVERNMENT PUBLICATIONS:		
hand beginning of month		
eived during month		
Total		
d during month		
n hand at close of month		
on hand beginning of month		
es during month		
tal		
ted during month		
lance		

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

YELLOWSTONE National Park for the Month of SEPTEMBER, 1951.

	This Month	This Month Last Year	Increase	Percent Increase
AL BUSINESS				
es of circuit maintained	532	528	4	0075
of telephones connected	188	173	15	086
of measured service calls				
of other local calls				
al No. of local calls	8958	9491	-533	-07
x load in calls per day	476	567	-91	-16
eipts from measured service calls				
eipts from coin boxes				
eipts from telephone rental				
TOTAL RECEIPTS				
DISTANCE BUSINESS				
Outbound calls	225	84	141	106
Inbound calls	202	186	16	09
TOTAL LONG DISTANCE CALLS				
load in calls per day	15	21	-6	-28
ipts from Long Distance business				
GRAPH BUSINESS				
ages via Western Union				
ages via				
TOTAL MESSAGES				
ipts from telegraph business				
of money transfer messages				
of money transfer receipts				

A. RECEIPTS TELEPHONE & TELEGRAPH DEPT-

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

YELLOWSTONE National Park for the Month of [illegible], 1931.

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
rrent generated, ...	70960.0	250210.0	78110.0	252982.0	-2772.0	-01
l to park operators, . . .	7705.0	45532.0	14051.8	56047.1	-10515.1	-18
l to others, ...						
ished to other Governmental gencies, ...						
l by National Park Service, st in transit, etc., . . .	63255.0	204678.0	64058.2	196934.9	7743.1	04
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nt receivable from the sale of electricity, ... $ [illegible]

dicated by K. W. H.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

[illegible] National Park for the Month of [illegible]

	This Month	This Travel Year To Date	This Month Last Travel Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
[illegible] generated,						
[illegible] to park operators,						
[illegible] to others,						
[illegible] to other Governmental [illegible]ties,						
[illegible] Park Service,						
[illegible] in transit, etc.,						
[illegible] current generated,						

[illegible] receivable from the sale of electricity, [illegible]

[illegible] by K. W. H.

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

September 30, 1931.

MEMORANDUM FOR ALL PARK RANGERS.

Since the fire season is over and the pressure of other field work is slightly reduced, we would like to have rangers indicate when they desire their annual leave for 1931 and the spring of 1932. Annual leave is not accumulative and 1931 leave must be taken before the close of this calendar year.

In making application for annual leave, please remember that we are over a month behind in nearly all activities due to the disastrous fire season which has just closed; therefore, the granting of annual leave will be based entirely on the needs of the various districts. It may be necessary in some cases to deny leave entirely to some rangers, especially those who were privileged to have a long period of annual leave last year. However, as much leave as possible will be granted to each ranger and as nearly as possible at the time desired.

Please return this memorandum with your notations by October 15.

George F. Baggley
Chief Ranger

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

September 14, 1931.

MEMORANDUM FOR ALL RANGER STATIONS.

All fire equipment, including smoke chasers packs and fire tool caches which were charged to your station this spring must be assembled in preparation for transferring back to Mammoth by October 1. The smoke chasers packs in many cases are short some articles of equipment, which articles must be replaced in the pack or accounted for. Please have this equipment ready so that we may instruct truck drivers traveling in your district to pick it up and bring it into Mammoth within the next week. However, do not send any equipment in without orders to do so. All equipment must go to building number six and not into the general warehouse.

All timber operations in your district should be inspected in preparation for the fall cleanup work. This work will probably commence very soon and it is important that all timber cutting areas, whether large or small, be inspected before work begins.

Prepare immediately and telephone to the office a list of all Government and private operators who have cut timber in your district this summer, with the location and size of the operation, so that we may hold the responsible parties liable for the necessary cleanup work.

If in any case you find that it has not been piled satisfactorily or that any of the timber cutting does not conform with the timber cutting regulations, notify Fred T. Johnston.

George T. Bagley
Chief Ranger

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

September 19, 1931.

CIRCULAR NO. 11.

Effective October 1, 1931, and until further notice, the Madison River, and all of its tributaries in Yellowstone National Park will be closed to fishing.

All other waters in Yellowstone National Park will be closed to fishing, effective October 20, 1931, until further notice, with the exception of the following waters which will remain open until further notice:

Yellowstone River from the mouth of the Lamar River to the north boundary of the park; also Heart, Lewis and Shoshone Lakes.

Roger W. Toll
Superinterdent.

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

September 15, 1941.

CIRCULAR NO. 11.

Effective October 1, 1941, and until further notice, the Madison River, and all of its tributaries in Yellowstone National Park will be closed to fishing.

All other waters in Yellowstone National Park will be closed to fishing, effective October 20, 1941, until further notice, with the exception of the following waters which will remain open until further notice:

Yellowstone River from the mouth of the Lamar River to the north boundary of the park; also Heart, Lewis and Shoshone Lakes.

Roger W. Toll
Superintendent.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING.

September 12, 1931.

MEMORANDUM FOR ALL PARK RANGERS.

The following information supplements my memorandum of September 4, regarding the closing dates of the various public utility operators in Yellowstone National Park:

Arrangements have been made for Mr. C. A. Hamilton to take care of visitors at Old Faithful, Lake and Fishing Bridge after September 18. The cafeteria and housekeeping cabins at Old Faithful and Fishing Bridge will close on September 18 and meals and lodgings will be available after that date at Mr. Hamilton's stores. Also meals and lodgings will be available at Mr. Hamilton's Lake store. Persons seeking accommodations after September 18 at Old Faithful, Lake and Fishing Bridge should be directed to Mr. Hamilton's stores. The Fishing Bridge store will be closed about September 25, but the Old Faithful and Lake stores will remain open as long as weather conditions permit.

The bath house at Fishing Bridge has been closed for the season.

The housekeeping cabins at Canyon and Mammoth will be in operation until October 1; also, the cafeteria at Canyon will be open until October 1 and meals will be available at Mammoth at Mrs. Pryor's Park Curio Shop until October 1.

George F. Baggley
Chief Ranger

National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

September 12, 1931.

Dear Sir:

We have received your letter of recent date regarding your desire to secure buffalo in Yellowstone National Park.

A buffalo will cost approximately $70.00 f.o.b. Gardiner, Montana, the shipping point, which includes cost of crate, transportation from the Buffalo Ranch to Gardiner and cost of hay, bucket, etc. No charge is made for the animal itself. The minimum shipping age for buffalo is one year. A yearling buffalo will cost approximately $55.00 f.o.b. Gardiner, Montana.

All animals are individually crated and shipped by express, collect. A yearling buffalo will weigh approximately 1,000 pounds, crated, while animals four years old and over will weigh 2,000 pounds, crated. You can obtain the express rates from Gardiner, Montana, to destination from your local express agent.

Buffalo should not, under any circumstances, be considered as pets and it is not the intention of park authorities to dispose of them for this purpose.

As payment for these buffalo must be made in advance, you should inclose with your application bank draft or postal money order covering the full cost, made payable to "F. W. Watson, Special Disbursing Officer." Should the charges in connection with the buffalo amount to less than the sum submitted, a refund of the balance will be made.

If you are interested in securing buffalo under those conditions you should state the number, sex and approximate ages of the animals desired.

An inclosure for a buffalo pasture should be at least six feet high set up with at least six or eight inch posts set eight feet apart and from three to four feet in the ground. This fence should consist of at least eight strands of number nine galvanized wire. There should also be a pole set along the top of the fence. We do not recommend the use of barbed wire. An inclosure which will hold cattle will not suffice for buffalo.

Shipment of buffalo from the park will be made in the order of the receipt of applications.

Sincerely yours,

Roger W. Toll
Superintendent.

National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

September 14, 1941.

Dear Sir:

We have received your letter of recent date regarding your desire to secure buffalo in Yellowstone National Park.

A buffalo will cost approximately $70.00 f.o.b. Gardiner, Montana, the shipping point, which includes cost of crate, transportation from the buffalo ranch to Gardiner and cost of hay, bucket, etc. No charge is made for the animal itself. The minimum shipping age for buffalo is one year. A yearling buffalo will cost approximately $60.00 f.o.b. Gardiner, Montana.

All animals are individually crated and shipped by express, collect. A yearling buffalo will weigh approximately 1,000 pounds, crated, while animals four years old and over will weigh 2,000 pounds, crated. You can obtain the express rates from Gardiner, Montana, to destination from your local express agent.

Buffalo should not, under any circumstances, be confined in pets and it is not the intention of park authorities to dispose of them for this purpose.

As payment for these buffalo must be made in advance, you should inclose with your application bank draft or postal money order covering the full cost, made payable to "E. A. Nelson, Special Disbursing Officer." Should the charges in connection with the buffalo amount to less than the sum submitted, a refund of the balance will be made.

If you are interested in securing buffalo under those conditions you should state the number, sex and approximate ages of the animals desired.

An inclosure for a buffalo pasture should be at least six feet high set up with at least six or eight inch posts set eight feet apart and three to four feet in the ground. This fence should consist of at least eight strands of number nine galvanized wire. There should also be a board set along the top of the fence. We do not recommend the use of barbed wire. An inclosure which will hold cattle will not confine our buffalo.

Shipment of buffalo from the park will be made in the order of the receipt of applications.

Sincerely yours,

Roger W. Toll
Superintendent.

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING

September 12, 1931.

CIRCULAR NO. 10

Effective Sunday, September 20, the winter schedule for telephone operators will go into effect, with shifts as follows:

OPERATOR	FROM	TO	HOURS
1. Mrs. Joffe or Mrs. Kocher	7.30 a.m.	12.00 noon	4½
2. Mrs. Allan	12.00 noon	6.30 p.m.	6½
3. Mrs. Joffe or Mrs. Kocher	6.30 p.m.	8.30 p.m.	2

It is understood that Mrs. Joffe and Mrs. Kocher will alternate days on the switchboard. Mrs. B. A. Hurdley has been designated as relief operator.

Should there be any deviation from the above schedule, Mr. Joffe should be so advised.

Long distance calls will be handled the same as they have during the past year, and Mrs. Kocher will be responsible for the handling of long distance calls collections.

Roger W. Toll
Superintendent.

DEPARTMENT OF THE INTERIOR
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

MEMORANDUM FOR ALL PARK RANGERS: September 4, 1931.

Closing dates for the Yellowstone Park operators are as follows:

Mammoth Hot Springs:

Hotel closes after supper September 19, 1931.
Lodge closes after lunch September 10, 1931.
Housekeeping cabins close on October 1, 1931.
Cafeteria closes on September 10, 1931.(After September 10, meals can be had at the Park Curio Shop until October 1.)
Museum closes on October 1, 1931.

Norris Junction:

Museum closes on September 20, 1931.

Madison Junction:

Museum closed.

Old Faithful:

Hotel closes after lunch on September 18, 1931.
Lodge closes after lunch on September 10, 1931.
Housekeeping cabins close on October 1, 1931.
Cafeteria closes on October 1, 1931.
Museum closes on October 1, 1931.

West Thumb:

Housekeeping cabins close on September 17, 1931.
Cafeteria closes on September 17, 1931.
Store closes on September 18, 1931.

Lake Junction:

Hotel closed.
Lodge closed.

Fishing Bridge:

Housekeeping cabins close on October 1, 1931.
Cafeteria closes on October 1, 1931.
Museum closes on September 20, 1931.

DEPARTMENT OF THE INTERIOR
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

MEMORANDUM FOR ALL PARK FACILITIES: September 4, 1931.

Closing dates for the Yellowstone Park operators are as follows:

Mammoth Hot Springs:

Hotel closes after supper September 10, 1931.
Lodge closes after lunch September 10, 1931.
Housekeeping cabins close on October 1, 1931.
Cafeteria closes on September 10, 1931. (After September 10, meals can be had at the Park Curio Shop until October 1.)
Museum closes on October 1, 1931.

Norris Junction:

Museum closes on September 20, 1931.

Madison Junction:

Museum closed.

Old Faithful:

Hotel closes after lunch on September 18, 1931.
Lodge closes after lunch on September 19, 1931.
Housekeeping cabins close on October 1, 1931.
Cafeteria closes on October 1, 1931.
Museum closes on October 1, 1931.

West Thumb:

Housekeeping cabins close on September 17, 1931.
Cafeteria closes on September 17, 1931.
Store closes on September 18, 1931.

Lake Junction:

Hotel closed.
Lodge closed.

Fishing Bridge:

Housekeeping cabins close on October 1, 1931.
Cafeteria closes on October 1, 1931.
Museum closes on September 20, 1931.

Canyon Junction:

Hotel closes after lunch on September 19, 1931.
Lodge closes after lunch on September 10, 1931.
Housekeeping cabins close on October 1, 1931.
Cafeteria closes on October 1, 1931.

Tower Falls:

Roosevelt Lodge closed.
Housekeeping cabins close on September 10, 1931.
Store closes on September 10, 1931.

Sylvan Pass:

Lodge closes after lunch on September 19, 1931.

George F. Baggley
Chief Ranger.

Canyon Junction:

Hotel closes after lunch on September 15, 1931.
Lodge closes after lunch on September 10, 1931.
Housekeeping cabins close on October 1, 1931.
Cafeteria closes on October 1, 1931.

Tower Falls:

Roosevelt Lodge closed.
Housekeeping cabins close on September 10, 1931.
Store closes on September 10, 1931.

Sylvan Pass:

Lodge closes after lunch on September 15, 1931.

George L. Sargent,
Chief Ranger.

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

September 2, 1931.

MEMORANDUM FOR ALL PARK RANGERS.

Effective at once the Mammoth District will be cut down in size and the Tower Falls District formed. The boundary line between the Mammoth and Tower Falls districts will be as follows:

> Commencing at the 8 M. P. N. B. L., Tower Falls boundary will run along the divide between Crevice Gulch and Cottonwood Creek to Blacktail Cabin; thence east along the Yellowstone River to the divide between the headwaters of the Blacktail Deer Creek and the Yellowstone River, passing through Prospect, Folsom, Cooke and Observation Peaks to Cascade Lake.

The Tower Falls district will embrace all territory east of the boundary line given above which was formerly included in the Mammoth district.

Park Ranger E. R. Arnold at Tower Falls Ranger Station will be Acting District Ranger.

George F. Baggley
Chief Ranger.

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

September 1, 1931.

MEMORANDUM FOR ALL PARK RANGERS:

For the past several years the serious plight of the trumpeter swan has been studied by many of America's leading ornithologists. All have arrived at the same conclusion--something must be done or this beautiful bird will soon become extinct.

Yellowstone Park is one of the few remaining natural breeding grounds for the swan. In this respect a great responsibility rests with the Park Service in protecting and perpetuating the trumpeter swan. Protection for the swan is probably the first and most important step. Just how much protection they will need is not known, but we do know they will have to have protection enough to raise all of the cygnets to maturity. Some definite policy of protection will be established before the next nesting season.

To assist in outlining a program we would like to have all available information from the rangers. May we have this submitted in the following form as soon as possible.

How many trumpeter swan were observed in your district in 1930? _____ In 1931? _____. How many young in 1930? _____ In 1931? _____.

Did they come back to the same place to nest? _____.

Were they molested by other birds or animals? _____. If so, what birds or animals (list) _____.

What particular bird or animal was known to be the most troublesome _____.

Are there any lakes or possible nesting places in your district which have not been investigated? _____. If so, where and how many? (list) _____.

Do you think that any of the birds observed in your district might have been reported in a nearby ranger district? _____. If so, how many each year? _____.

Have you found that people have interfered in any way with nesting swan? _____.

Realizing the seriousness of the problem, what would you suggest for the protection and perpetuation of the trumpeter swan? (We would like to have you go into detail on this, using a separate sheet).

George F. Baggley
Chief Ranger

Note: It is desirable that this information be furnished as soon as is practical so that it can be used in outlining protective measures. Please forward this not later than October 1.

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

MEMORANDUM FOR THE PRESS
Release on receipt.

YELLOWSTONE PARK TRAVEL

Yellowstone Park, Wyoming, October 1931. The travel statistics, just compiled, for Yellowstone National Park disclose that the depression of the country had its effect on the tourist travel during the past year. However, this year's travel was only a few thousand less than last year and is the second decrease in thirteen years, the last decrease being during the 1930 travel year.

The total travel this year was 221,248 persons, as compared with 227,901 last year, and 260,697 in 1929, the high record. There was a decrease of 6,653, or about three per cent below the figures of last year.

Twenty six thousand four hundred and ninety-five visitors arrived prior to June 19, the official opening date, as compared with 20,612 visitors prior to the official opening date last year.

Private automobile travel was admitted at the North and West Gates on May 12, South Gate on June 1, and East Gate on May 28, which opening dates were several days ahead of the opening dates for last year.

The travel this year is classified as follows:

Rail visitors.....	18,929
Automobile visitors.....	180,380
Motorcycle visitors.....	219
Visitors on horseback and afoot.....	677
Pre-season visitors, uncl.	21,043
TOTAL.....	221,248

Two hundred one thousand four hundred and twenty-three automobile visitors toured the park in 63,636 cars, as compared with 199,914 visitors in 63,408 cars last year. There were also 219 visitors on 159 motorcycles, as compared with 255 visitors on 180 motorcycles last year.

Travel by Park Gateways

Rail and motor travel, both entrance and exit, favored the Western Gateway this year. There were 70,229 entrance auto visitors traveling in 21,463 cars at the West Gate, as compared with 67,968 traveling in 21,892 cars admitted at the Cody or Eastern Gateway, which was the favorite entrance auto gateway prior to 1927. 41,304 people traveling in 13,334 cars were admitted at the Gardiner, or Northern Gateway, and 22,141 visitors in 7,106 cars were admitted via the Snake River or Southern Gateway.

The entrance rail travel shows West Yellowstone well in the lead. The rail visitors accredited to this gateway consist of 6,657 arriving via the Union Pacific Railroad, plus 623 temporary employees of the government and park operators; 1261 via the Gallatin Gateway from the Chicago, Milwaukee, St. Paul and Pacific Railway; and 331 via the Bozeman terminal of the Northern Pacific Railway.

There were 6,693 rail visitors who entered the park via the Gardiner Gateway; 3,203 via the Cody or Eastern Gateway; 121 via the southern gateway from Lander, the terminus of the Chicago & Northwestern Railroad, and 40 from Victor, Idaho, on the Union Pacific Railroad.

The automobile travel includes 21,043 visitors traveling in 7,141 cars who entered the park more than once during the season, as compared with 14,116 visitors traveling in 4439 cars during 1930.

Classification by States

Visitors were registered this year from every state in the Union,

Alaska, Philippine Islands, Hawaii, Cuba, Canal Zone, and 21 foreign countries. The classification of rail travel by states ranks:

New York first with 2,687 visitors
Illinois second with 2,434 visitors
Ohio third with 1,451 visitors
Pennsylvania fourth with 1,445 visitors.

Last year New York and Illinois ranked in the same order, Pennsylvania third and Ohio fourth.

Automobile travel by states shows California heading the list with a total of 18,460 visitors traveling in 6,431 cars; Montana ranks second with 17,524 visitors in 5,197 cars; Idaho ranks third with 11,781 visitors in 3,147 cars; and Utah ranks fourth with 10,239 visitors in 2,863 cars. Last year these four states ranked in the same order.

Seventy-five makes of cars and four makes of motorcycles were registered at entrance stations during the season. The Ford leads the list of cars, the Chevrolet is second, the Buick is third, and the Dodge is fourth on the list. Of the 12,200 Fords registered, 11,682 were of the Model A, while the remaining 518 were Model T Fords.

The Harley-Davidson leads the list of motorcycles, with the Indian second and Henderson rated as third.

Other Interesting Data

A new high record of entrance travel on a single day was established on July 4 with a total of 6,266 visitors, as compared with 4,758 visitors on July 4, 1930, and 4,452, on August 8, 1929. Also, a new high record of 1670 motor vehicles entering in a single day was established on July 4, as compared with 1,296 on July 4, 1930.

Daily entrance travel in excess of 3,000 occurred on five days; the average on these days being 3,790, as compared with sixteen days and an average of 3,365 visitors last year. There was one day when the travel

exceeded 4,000, as compared with one day last year. The average daily entrance travel from the official opening date (June 19) to September 15 was 2,081, as against 2,201 last year, and 2,707 in 1929. The average daily number of visitors within the park during the period July 16 to August 14 (30 days) was approximately 8,000 as compared with 10,000 for last year. All automobile visitors, on an average, stayed in the park for 3.21 days.

Public auto camping facilities at eight developed camp sites were provided by the National Park Service of the Department of the Interior, without charge, in addition to the accommodations provided at the hotels, lodges, and housekeeping cabins.

Private automobile travel to the summit of Mt. Washburn this year consisted of 35,444 visitors traveling in 11,181 cars, as compared with 31,600 visitors in 10,000 cars last year. The daily average this year was 417 visitors traveling in 131 cars; the daily average last year was 329 visitors traveling in 104 cars.

There was a daily average of 2.75 Yellowstone Park Transportation Company buses over the summit of the mountain this year, as compared with a daily average of 14 last year; these buses each have a carrying capacity of eleven passengers.

The Buffalo Show Herd attendance totaled 43,490 visitors, as compared with 31,277 visitors last year, and 47,352 in 1929.

Two thousand and eight dogs were admitted into the park as compared with 2,026 for last year.

There was also a total of 11,436 guns sealed and checked at the entrance stations as compared with 12,584 during the year 1930.

Services to the Public

General information service was conducted at all park gateways, at all ranger stations along the loop road, and at the Information Offices at Park Headquarters, Old Faithful and Norris, Mammoth serving 51,188 visitors, Old Faithful 108,160 and Norris 45,834.

Free Government publications totaling about 120,000 were distributed.

Ranger Naturalists delivered lectures concerning the history, wild life, and natural features of the park before audiences totaling approximately 553,633, as compared with 388,595 last year, and 324,969 in 1929. The figures include the ranger lectures at the Old Faithful and Canyon bear feeding grounds and the auto camp at West Thumb. 80,318 visitors availed themselves of the ranger naturalist guide service at Mammoth Hot Springs, Old Faithful, Yellowstone Lake, Canyon, Tower Falls, West Thumb and Fishing Bridge, as compared with 77,399 last year.

Tens of Thousands of Campers

The accommodations provided at the various developed public auto camp grounds consisted of toilet facilities, comfort stations, camp tables, fire wood, convenient and sanitary water supply, provision stores, cafeterias and lunch rooms. Additional facilities consisted of large numbers of housekeeping cabins.

The public auto camp grounds at Fishing Bridge, one of eight developed camp sites in the park, accommodated 52,825 campers, traveling in 16,664 cars this year, as compared with 3[illegible],195 campers traveling in 11,454 cars last year.

135,613 auto visitors camped at the various public camping grounds this year, as compared with 129,506 last year.

Auto visitors have reported approximately 91,357 fish taken from the lakes and streams of the park this year, as compared with 76,692 last year and 38,500 in 1929.

Big game animals, consisting of antelope, deer, sheep, elk, moose and buffalo, which were to be seen along the road sides in Yellowstone National Park, contributed in a varying degree to the interest and pleasure of many thousands of visitors.

Roger W. Toll
Superintendent

GWM-mjh

A detailed analysis of the 1931 travel by rail, motor and by entrance and exit gateways has been compiled for mailing to interested parties on request.

TOTAL SEASON TRAVEL BY ENTRANCES - 1931, 1930 and 1929

YELLOWSTONE NATIONAL PARK

1931

ENTRANCE	RAIL	*BY AUTOMOBILE		BY MOTORCYCLE		Walking Horseback etc.	Pre-Season	TOTAL VISITORS
	Visitors	Cars	Visitors	Cars	Visitors	Visitors	Visitors	
North	6,693	13,311	32,474	23	32	217	8,798	48,214
West	#8,872	21,407	63,419	56	72	270	6,738	79,371
East	3,203	21,825	63,230	67	100	147	4,638	71,318
South	## 161	7,093	21,257	13	15	43	869	22,345
TOTAL	18,929	63,636	180,380	159	219	677	21,043	221,248

1930

ENTRANCE	RAIL	*BY AUTOMOBILE		BY MOTORCYCLE		Walking Horseback etc.	Pre-Season	TOTAL VISITORS
	Visitors	Cars	Visitors	Cars	Visitors	Visitors	Visitors	
North	9,209	13,419	36,930	25	36	206	3,618	49,999
West	# 12,961	22,478	71,565	64	87	341	1,464	86,418
East	4,585	20,746	64,825	70	103	203	----	69,716
South	## 90	6,765	21,451	21	29	137	61	21,768
TOTAL	26,845	63,408	194,771	180	255	887	5,143	227,901

1929

ENTRANCE	RAIL	*BY AUTOMOBILE		BY MOTORCYCLE		Walking Horseback etc.	Pre-Season	TOTAL VISITORS
	Visitors	Cars	Visitors	Cars	Visitors	Visitors	Visitors	
North	12,243	13,881	39,198	40	50	484	3,726	55,701
West	# 19,213	23,696	76,897	40	44	271	603	97,028
East	7,233	23,061	73,732	78	96	244	--	81,305
South	## 290	7,777	24,758	23	28	1,479	108	26,663
TOTAL	38,979	*68,415	214,585	181	218	2,478	4,437	260,697

* Includes 6026 cars and 19,359 visitors who entered the park more than once during the season of 1931; 4,439 cars and 14,116 visitors who entered the park more than once during the season of 1930; and 4,459 cars and 14,111 passengers who entered the park more than once during the season of 1929. Also includes 7,141 cars, pre-season unclassified in 1931, 1,796 cars, pre-season unclassified in 1930, and 1,560 cars, pre-season unclassified in 1929; and 422 cars with 1,759 passengers, 1931 temporary employees of the Government and park operators, and 377 cars with 755 passengers, 1930 temporary employees.

\# The rail visitors accredited to the Western Gateway during the season of 1931 consist of 6,657 via the Union Pacific Railway, 1,261 via the Gallatin Gateway of the Milwaukee terminal, 331 via the Bozeman terminal of the Northern Pacific who also entered the park via the Gallatin route, and 623 temporary employees of the Government and park operators. The visitors accredited to the western gateway during the season of 1930 consisted of 10,271 via the Union Pacific Railway; 1,637 via the Gallatin Gateway of the Milwaukee terminal; 383 via the Bozeman terminal of the Northern Pacific who also entered the park via the Gallatin route; and 670 temporary employees of the Government and park operators. The rail visitors accredited to the Western Gateway during the season of 1929 consisted of 14,520 via the Union Pacific Railway; 3,128 via the Gallatin Gateway of the Milwaukee terminal; 401 via the Bozeman terminal of the Northern Pacific; and 1,164 temporary employees.

\## Includes 40 rail visitors entering via Victor, Idaho, on the Union Pacific System, and 121 entering at Lander, Wyoming, on the Chicago and Northwestern Railway during the season of 1931. Also includes 21 rail visitors entering via Victor, Idaho, on the Union Pacific System, and 69 entering at Lander, Wyoming, on the Chicago & Northwestern during the season of 1930, with 28 via Victor and 231 via Lander during 1929.

AUTOMOBILES BY ENTRANCE AND EXIT GATEWAYS

ENTRANCE	Exit Gateways				Total Cars Entering Park
	NORTH	WEST	EAST	SOUTH	
North	2,880	3,011	3,265	984	10,140
West	2,851	6,768	6,863	2,528	19,010
East	4,387	7,555	4,915	3,452	20,309
South	630	2,208	3,434	501	6,773
Total Exit Cars	10,748	19,542	18,477	7,465	56,232

Employees cars, unclassified. 422
Pre-season cars, unclassified 7141
GRAND TOTAL, all cars and motorcycles .63795

NOTE: Passengers are not counted as the cars are checked out, but the approximate number of passengers may be obtained by multiplying the number of cars by 3.15, the average number of persons per car entering the park.

RAIL TRAVEL BY ENTRANCE AND EXIT GATEWAYS

1 9 3 1

ENTRANCE	Exit Gateway							Un-classified	Total Entrance
	North	West			East	South	Victor		
		West Yellowstone	Gallatin Gateway	Bozeman					
North	569	258	2	11	4217	0	2	273	5332
West									
West Yellowstone	149	4613	59	2	1468	34	42	290	6657
Gallatin Gateway	11	311	715	2	180	4	0	38	1261
Bozeman	93	9	0	2	227	0	0	0	331
East	1315	819	67	48	820	10	33	52	3164
South	12	46	0	1	7	1	0	54	121
Victor	0	9	2	0	29	0	0	0	40
Total Exit Visitors	2149	6065	845	66	6948	49	77	707	16906
Temporary Employees									2023
								Grand Total.....	18929

Note: The unclassified column shown above is composed of miscellaneous and deadhead travel. The temporary employees of the Government and Park Operators are credited to the following entrances: North 1361, West 623 and East 29.

STATEMENT SHOWING AUTOMOBILE TRAVEL BY STATES
YELLOWSTONE NATIONAL PARK - SEASON OF 1931

	North		West		East		South		Total	
STATE	Cars	Pass.	Cars	Pass.	Cars	Pass.	Cars	Pass.	Cars	Pass.
Alabama	2	6	18	51	16	57	10	32	46	146
Arizona	36	110	115	333	52	149	24	74	227	666
Arkansas	8	25	30	111	37	106	16	59	91	301
California	959	2678	3246	9451	1510	4348	716	1983	6431	18460
Colorado	181	488	312	955	951	2825	521	1569	1965	5837
Connecticut	24	68	23	77	97	266	10	24	154	435
Delaware	5	18	3	5	8	20	1	2	17	45
Dist. of Col.	31	89	57	175	104	310	23	73	215	647
Florida	24	59	63	203	77	222	27	83	191	567
Georgia	15	53	37	201	24	72	3	10	79	336
Idaho	136	407	2421	9292	126	409	464	1673	3147	11781
Illinois	337	1027	543	1684	1900	5840	352	1124	3132	9675
Indiana	108	335	191	583	458	1455	116	339	873	2711
Iowa	209	649	284	953	1125	3626	183	577	1801	5785
Kansas	130	408	258	905	622	2017	278	884	1288	4214
Kentucky	12	34	44	177	89	273	30	93	175	577
Louisiana	5	11	28	90	48	171	18	59	99	331
Maine	8	28	16	58	21	55	3	7	48	148
Maryland	16	57	31	90	75	243	18	54	140	444
Massachusetts	40	105	101	297	183	508	29	77	353	987
Michigan	157	480	229	703	703	2034	110	331	1199	3548
Minnesota	429	1358	265	897	1016	3164	62	176	1772	5595
Mississippi	4	16	23	76	24	87	11	32	62	211
Missouri	102	295	212	715	632	1989	238	754	1184	3753
Montana	2305	7649	1961	6781	815	2743	116	351	5197	17524
Nebraska	135	409	161	502	827	2702	260	896	1383	4509
Nevada	15	53	100	327	13	31	31	93	159	504
New Hampshire	9	29	6	12	23	73	5	10	43	124
New Jersey	68	205	140	409	268	771	50	139	526	1524
New Mexico	9	32	41	105	36	112	28	74	114	323
New York	144	374	309	864	758	2180	164	484	1375	3902
North Carolina	23	103	30	103	25	80	16	65	94	351
North Dakota	223	723	147	514	257	868	20	67	647	2172
Ohio	145	437	403	1248	763	2244	202	625	1513	4554
Oklahoma	84	257	137	463	295	950	173	529	689	2269
Oregon	147	422	553	1720	201	620	77	249	980	3011
Pennsylvania	110	311	279	910	458	1370	112	329	959	2920
Rhode Island	6	18	14	44	17	47	4	12	41	121
South Carolina	6	19	21	74	9	33	7	18	43	144
South Dakota	105	314	98	310	440	1382	39	124	682	2136
Tennessee	9	34	41	153	62	194	13	41	125	422

STATE	North		West		East		South		Total	
	Cars	Pass.	Cars	Pass.	Cars	Pass.	Cars	Pass.	Cars	Pass.
Texas	104	309	256	811	408	1269	220	662	988	3051
Utah	162	522	2184	8035	99	295	418	1387	2863	10239
Vermont	3	12	5	15	11	36	3	9	22	72
Virginia	13	45	32	110	41	125	11	37	97	317
Washington	580	1780	806	2388	406	1279	115	326	1907	5773
West Virginia	13	36	26	87	52	147	17	61	108	331
Wisconsin	223	713	177	569	682	2119	79	239	1161	3640
Wyoming	126	348	156	520	1708	5837	848	2805	2838	9510
Alaska	3	9	5	13	2	6			10	28
Australia	1	1							1	1
Canada	332	1078	153	518	213	700	28	87	726	2383
Canal Zone	3	11	6	18	6	22	2	4	17	55
China							1	2	1	2
Cuba	1	2			1	2	1	2	3	6
Czechoslovakia	1	2							1	2
Guam							1	2	1	2
Haiti					1	4			1	4
Hawaii	10	27	14	45	12	37	4	15	40	124
Philippine Is.	1	4	1	5	1	3			3	12
TOTALS	8097	25092	16814	55740	18808	58527	6328	19903	50047	159262
Cars entering second trip, unclassified by states									6026	19359
Motorcycle, Unclassified by states									159	219
Pre-season travel, unclassified by states									7141	21043
Employees entering by automobile, unclassified									422	1759
GRAND TOTAL ALL CARS AND PASSENGERS, classified and unclassified									63795	201642

1931

TOURISTS REACHING PARK GATEWAYS BY RAIL

AND ACCOMMODATED AT HOTELS AND LODGES

Classified by States

STATE	North Entrance		West Entrance		East Entrance		South Entrance		Gallatin Entrance		Bozeman Entrance		TOTAL		GRAND TOTAL
	Htls	Ldgs	Htls	Ldgs	Htls	Ldgs	Htls	Ldgs	Htls	Ldgs	Htls	Ldgs	Htls	Ldgs	
Alabama	2	10	8	37	9	6			1	2			20	55	75
Arizona		2	4	8		1							4	11	15
Arkansas	1	2	3	10	1	1					4		9	13	22
California	60	50	385	203	49	24	22	14	10	13		3	526	307	833
Colorado	4	4	14	8	25	34							43	46	89
Connecticut	44	31	54	40	41	8		1	1	4		11	140	95	235
Delaware	10	7		9	2	6							12	22	34
Dist. Col.	39	36	83	47	28	26	1	1	13	6			164	116	280
Florida	3	7	15	41	2	10							20	58	78
Georgia	5	2	10	94	4	33			1	7			20	136	156
Idaho	4	3	4	11		1				1			8	16	24
Illinois	365	560	307	312	201	164	2	9	290	162	1	61	1166	1268	2434
Indiana	46	84	52	76	35	29			16	50		4	149	243	392
Iowa	6	105	8	56	20	48		1	30	23		27	64	260	324
Kansas	1	43	11	45	12	41			2	1		2	26	132	158
Kentucky	8	29	17	64	6	12			4	9	1	1	36	115	151
Louisiana	2	4	15	18	5	4							22	26	48
Maine	13	14	4	8	4	6							21	28	49
Maryland	19	34	53	35	28	22	1		2	4	1	4	104	99	203
Massachusetts	149	86	83	60	85	32	1	14	11	25	4	6	333	223	556
Michigan	49	63	49	78	32	114	2	4	12	17	2	3	146	279	425
Minnesota	80	152	2	25	12	27			12	41	1	18	107	263	370
Mississippi		4	9	7	5	1			1				15	12	27
Missouri	149	145	69	146	79	140	1		4	14	3	8	305	453	748
Montana	7	23	1	1	2	11			4	1	1	2	15	38	53
Nebraska	2	31	14	66	19	50	1	2		1		7	36	157	193
Nevada			2	3		2							2	5	7
New Hampshire	2	2	8	3	1				1	2			12	7	19
New Jersey	114	137	191	273	156	64		8	21	13	3	4	485	499	984
New Mexico		2		1	2	2							2	5	7
New York	456	265	720	576	294	181	6	6	51	54	2	76	1529	1158	2687
No. Carolina	3	1	40	29		5							43	35	78
North Dakota	7	17	2	3		4				1		4	9	29	38
Ohio	183	213	266	299	72	301	7	7	54	33		16	582	869	1451
Oklahoma	15	3	5	17	7	11		2			1	1	28	34	62
Oregon	16	5	1	17	5	7		1	3	4		1	25	35	60
Pennsylvania	200	353	346	297	55	100	5	7	23	50	2	7	631	814	1445
Rhode Island	13	17	8	6	1					5		3	22	31	53
So. Carolina	3	5	4	28	2	4							9	37	46
So. Dakota	1	2		2	3	4			8	3		2	12	13	25
Tennessee	3	6	19	44	8	10							30	60	90
Texas	18	7	38	25	25	40	10	2		3			91	77	168
Utah			52	48		1		1					52	50	102
Vermont	3	9	1		4	2		1					8	12	20
Virginia	11	7	16	57	1	14		2	3	4		2	31	86	117

STATE	North Entrance Htls	North Entrance Ldgs	West Entrance Htls	West Entrance Ldgs	East Entrance Htls	East Entrance Ldgs	South Entrance Htls	South Entrance Ldgs	Gallatin Entrance Htls	Gallatin Entrance Ldgs	Bozeman Entrance Htls	Bozeman Entrance Ldgs	TOTAL Htls	TOTAL Ldgs	GRAND TOTAL
Washington	29	41	19	9	10	18		1	23	15			81	84	165
West Virginia	5	12	12	26		1			1	3	4		22	42	64
Wisconsin	74	115	66	70	28	31			70	60		6	238	282	520
Wyoming		2		7	6		2	3					8	12	20
TOTAL	2226	2752	3090	3345	1386	1653	61	87	670	631	30	279	7463	8747	16210
By Foreign Countries															
Australia				1										1	1
Belgium	2												2		2
Canada	11	21	13	9	2				8	7	1		35	37	72
China		2		2										4	4
Cuba					1								1		1
Czechoslovakia			1										1		1
Denmark			2	1									2	1	3
England	4	3	12	8	4	1	1		1	2			22	14	36
France	1		1	1			2						4	1	5
Germany	3	1	5	1									8	2	10
Hawaii	2		9	1									11	1	12
Holland		9	4	2									4	11	15
Hungary				1										1	1
India	1				3								4		4
Japan	3		2	1	2				1				8	1	9
Mexico											1		1		1
New Zealand								1						1	1
Norway				1										1	1
Panama		2	2										2	2	4
South America	1			1									1	1	2
Scotland		6	3	1					1				4	7	11
Sweden		1		2										3	3
Switzerland	4		2		1					1			7	1	8
TOTAL	32	45	56	33	13	1	3	1	11	10	2		117	90	207
TOTAL CLASSIFIED RAIL TRAVEL	2258	2797	3146	3378	1399	1654	64	88	681	641	32	27	7580	8837	16417
TOTAL UNCLASSIFIED RAIL TRAVEL															*2512

GRAND TOTAL..... 18929

* Note: The unclassified rail travel shown below includes 2023 temporary employees of the Government and Park Operators credited to the following entrances: North 1361; West 623; East 29.

STANDARD MAKE AUTOMOBILES DRIVEN THROUGH
YELLOWSTONE NATIONAL PARK

MAKE	1929	1930	1931	MAKE	1929	1930	1931
Arrow Head	0	0	1	Locomobile	14	12	12
Anderson	0	1	2	LaSalle	283	323	274
Apperson	0	2	0	Marquette	62	140	120
Ajax	6	3	2	Marmon	261	223	173
Auburn	223	207	323	Maxwell	107	60	30
Austin	0	0	8	McLaughlin	1	0	1
Buick	6800	5631	4843	Mercer	0	6	1
Bay State	2	0	0	Mitchell	1	1	0
Cadillac	794	544	503	Moon	49	34	24
Case	5	4	1	Moorcland	2	0	0
Chalmers	2	2	5	Meteor	0	1	0
Chandler	339	218	119	Nash	2421	1928	1612
Chevrolet	9374	9154	9690	National	3	0	0
Chrysler	2893	2319	2006	Oakland	886	664	546
Cleveland	57	26	13	Oldsmobile	1767	1490	1326
Cole	5	1	0	Overland	330	184	91
Columbia	2	1	0	Packard	1226	1061	912
Cord	2	26	30	Paige	299	220	92
Cunningham	0	1	0	Pan-American	1	0	0
Davis	1	0	0	Patterson	1	0	0
DeSoto	348	511	560	Peerless	128	108	84
DeVaux	0	0	26	Pierce Arrow	177	150	172
Dodge	4054	3203	2483	Pontiac	1911	1668	1552
Dort	1	2	0	Plymouth	430	558	642
Dupont	0	2	1	Premier	1	2	1
Durant	607	585	420	Reo	482	428	427
Dusenberg	2	0	6	Rickenbacher	51	37	24
Diana	5	10	10	Roamer	1	0	0
Diamond	1	0	0	Rolls Royce	2	2	5
Elcar	5	6	6	Rollin	2	1	1
Erskine	186	143	79	R & V Knight	1	0	0
Essex	2208	1661	1310	Roosevelt	88	86	55
Falcon Knight	83	42	37	Star	574	278	130
Flint	58	38	15	Stanley Steamer	1	1	0
Ford T	3052	1467	518	Stearns Knight	49	18	5
Ford A	8946	12269	11682	Stevens	0	5	1
Franklin	403	382	287	Studebaker	2969	2299	1963
Graham Paige	636	685	733	Stutz	71	73	58
Gardner	73	44	46	Velie	93	47	33
Gray	0	2	0	Viking	36	61	59
Haynes	2	3	0	Whippet	1503	1015	598
Hudson	1653	1408	990	White	2	4	2
Hupmobile	1084	956	781	Wescott	3	0	0
Jewett	183	119	55	Willys Knight	1223	1034	738
Jordan	95	49	39	Willys Six	0	83	233
Kissel Kar	24	17	14	Willys St. Claire	35	11	5
Lafayette	1	2	1	Windsor	0	2	6
Lexington	4	6	1	Winton	1	4	0
Liberty	2	0	0	Wolverine	22	9	10
Lincoln	345	261	213	TOTAL CARS	62193	56560	49877

STANDARD MAKE TRUCKS AND BUSES DRIVEN THROUGH

YELLOWSTONE NATIONAL PARK

MAKE	1929	1930	1931
Buick	0	1	0
Chevrolet	54	35	45
Deisel	0	0	1
Dodge	11	17	8
Fargo	2	2	2
Fageol	3	1	1
Ford T	2	14	8
Ford A	32	83	34
Graham Bros.	27	13	6
GMC	16	10	5
International	32	33	42
Mack	7	2	3
Pierce Arrow	1	0	0
Reo	12	7	1
White	2	10	9
Star	2	0	0
Studebaker	0	1	4
Chrysler	0	1	0
Nash	0	2	0
Willys Six	0	1	1
Republic	0	1	0
Willys Knight	0	1	0
TOTAL TRUCKS	203	236	170
TOTAL CARS AND TRUCKS	62396	56796	50047

MAKE	1929	1930	1931
MOTORCYCLES			
Ace	1	1	0
Excelsior	1	2	0
Harley Davidson	147	134	116
Henderson	11	5	6
Indian	16	37	35
Super-X	3	1	2
Velier	1	0	0
TOTAL MOTORCYCLES	181	180	159

Total classified cars	62396	56796	50047
Second trip, unclassified cars	4459	4439	6026
Pre-season, unclassified cars	1560	1796	7141
Employees, unclassified cars	0	377	422
Motorcycles	181	180	159

GRAND TOTAL, ALL CARS AND MOTORCYCLES	68596	63588	63795